

PATENT ABSTRACTS OF JAPAN

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(54) WATER-BASED, INK-JET PRINTING INK COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pigment-based and water-based, ink-jet printing ink composition which has water resistance and weatherability and also is excellent in print quality such as blurrilessness equal or superior to a dyestuff-based one and as clearness and in drying characteristics.

SOLUTION: The water-based ink-jet printing ink composition comprising mainly a pigment, a water-based resin, a basic compound and a water-based medium, is characterized in that the ink composition contains additionally an alkylene oxide adduct of 2-butyl-2-ethyl-1,3-propanediol; and the water-based ink-jet printing ink composition is characterized in that the amount used of the above alkylene oxide adduct of 2-butyl-2-ethyl-1,3-propanediol is 0.1-5 wt.% relative to the ink composition; and also the water-based ink-jet printing ink composition is characterized in that the above alkylene oxide adduct of 2- butyl-2-ethyl-1,3-propanediol has an added molar number of 2-50.